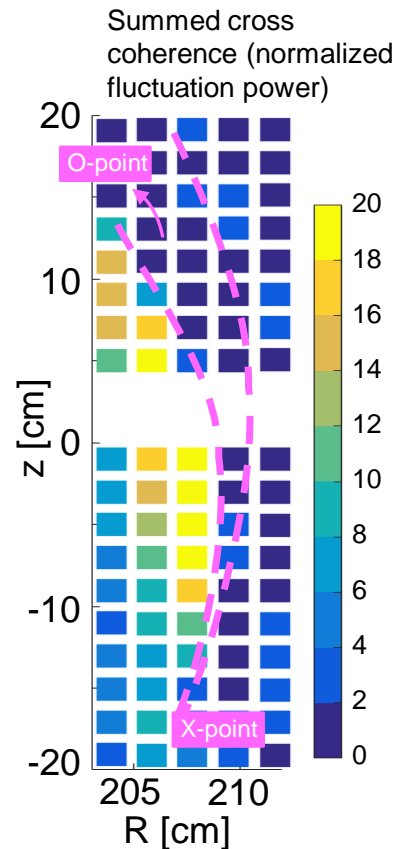
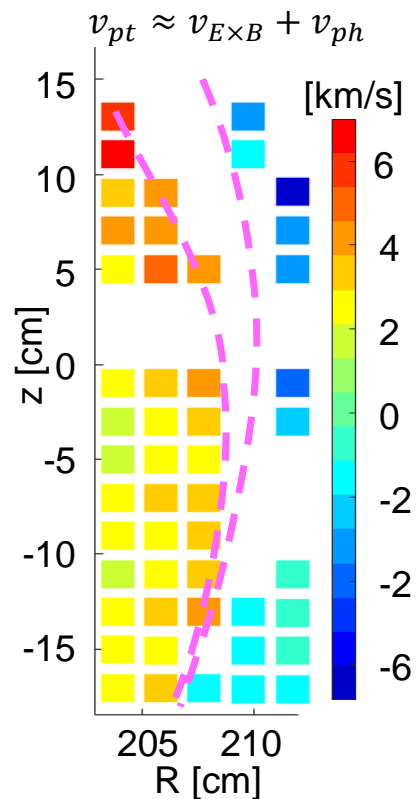


Effects of multiscale interaction btw an m/n=2/1 magnetic island and turbulence on the electron heat transport

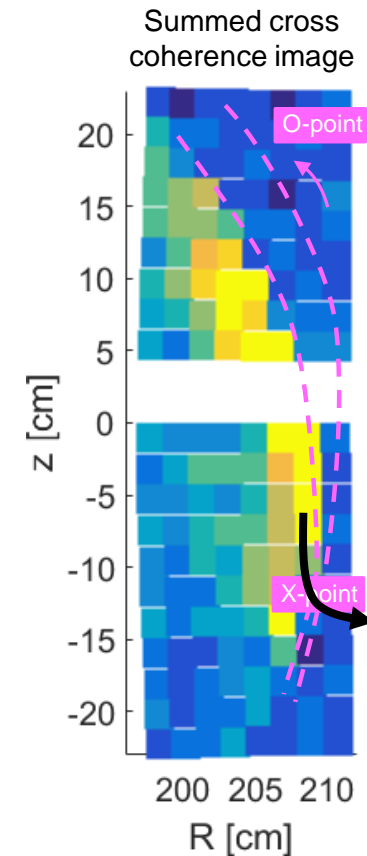
M.J. Choi et al. (EX/11-2)

- Spatial distribution of turbulence is modified by the sheared flow generated by the magnetic island
 - Turbulence suppressed towards the O-point direction and distant from X-point → the island plays like a barrier



- Minor disruption or the profile peaking can occur due to the strong turbulence outside the magnetic island

Turbulence spreads into the island → profile peaking



Turbulence touches X-point → minor disruption

